

Claim Amendments

1. Cancelled.

2. Cancelled.

3. (previously amended) A flax seed that is the product of a plant line designated M5791 (American Tissue Culture Collection Deposit #PTA-5755), wherein the linolenic acid content of said flax seed is greater than 70%.

4. Cancelled.

5. Cancelled.

6. (amended) A flax plant designated M5791 (American Tissue Culture Collection Deposit # PTA-5755), wherein the linolenic acid content of said flax seed is greater than 70%.

7. (previously amended) Progeny of a flax plant designated M5791 (American Tissue Culture Collection Deposit # PTA-5755), wherein said progeny produce seeds having a linolenic acid content of greater than 70% of the total fatty acid content of said seed.

8. (previously amended) The progeny according to claim 7 wherein the linolenic acid content is between 70%-80%.

9. (amended) Seed from the flax plants of any one of claims 4,-5, 6, 7 or 8.

10. (previously cancelled)

11. (previously cancelled)

12. (previously cancelled)

13. (amended) A method of producing a flax plant line comprising the steps of:
(a) crossing a plant of a flax plant line designated M5791 (American Tissue Culture Collection Deposit # PTA-5755), wherein the linolenic acid content of said flax seed is

greater than 70%, or progeny thereof, with an agronomically elite flax plant; and

(b) selecting at least one descendant of said cross, said descendant producing seeds having a linolenic acid content of greater than 70% relative to the total fatty acid content of said seed.

14. (previously cancelled)

15. Cancelled.

16. Cancelled.

17. (previously added) The progeny according to claim 7 wherein the linolenic acid content is between 70%-75%.

18. (previously added) The method according to claim 13 wherein the linolenic acid content is between 70-80%.

19. (previously added) The method according to claim 13 wherein the linolenic acid content is between 70-75%.

Specification Amendments

Please cancel pages 14-24 of the application as filed. Please insert pages 14-24 enclosed herewith into the application.

It is noted that on page 2 of the above-referenced Office Action, the examiner stated that "the tables should be provided on pages that are part of the specification prior to the claims".

In view of this, Table 1 which was page 17 has been renumbered as page 15;

Table 2 which was on page 18 is now on page 16;

Table 3 which was on page 19 is now on page 17;

Table 4 which spanned pages 20 and 21 now spans pages 18 and 19;

Table 5 which was on page 22 is now on page 20;

Table 6 which was on page 23 is now on page 21;

The listing of uses of flax which was on page 24 is now on page 14;
The claims pages which spanned pages 14 and 15 are now on pages 22 and
23; and

The abstract which was on page 16 is now on page 24.

As can be seen, three versions of claims pages 22 and 23 have been enclosed – one which corresponds to the claims pages as filed, a second set which corresponds to the current claims with current numbering and a third set which corresponds to the current claims with consecutive numbering. It is respectfully requested that whichever set is appropriate be inserted into the specification and the others be discarded.